Bode Analyzer Suite
Automation Interface Object Hierarchy
Version 2.43

OMICRON LAB

BodeApplication

Document
Name
Version

Quit()

BodeDocument

Devices
Measurements
SelectedDevice
MeasuringSpeed

DeviceCollection

Count
Item

Clear()
Contains()
GetEnumerator()
IndexOf()
ScanForDevices()

Device

DeviceId
DeviceType
SerialNumber
LastInternalDeviceCalibrationDate

SelectAndInit()
SwitchSourceOff()
PerformInternalDeviceCalibration

ProbeCalibration (Calibration)

GainPhaseAvailable
GainPhaseEnabled
ImpedanceAvailable
ImpedanceEnabled
LoadAvailable
OpenAvailable
ShortAvailable
RLoad
ShortDelayTime
ExtrapolationActive

ExecuteGainPhase()
ExecuteImpLoad()
ExecuteImpOpen()
ExecuteImpShort()

User Calibration (Calibration)

GainPhaseAvailable
GainPhaseEnabled
ImpedanceAvailable
ImpedanceEnabled
LoadAvailable
OpenAvailable
ShortAvailable
RLoad
ShortDelayTime
ExtrapolationActive

ExecuteGainPhase()
ExecuteImpLoad()
ExecuteImpOpen()
ExecuteImpShort()

MeasurementCollection

Count
Item
MaxMeasurements

AddFrequencySweepExtCouplerMeasurement()
AddFrequencySweepImpAdapterMeasurement()
AddFrequencySweepMeasurement()
AddSingleFrequencyMeasurement()
Clear()
Contains()
GetEnumerator()
IndexOf()
SetMaxMeasurementsToDefault()

SingleFrequencySettings

Level
ReferenceResistance
SourceFrequency

Measurement

DeviceSettings
SingleFrequencySettings
FrequencySweepSettings
Name
OverloadLevelCH1
OverloadLevelCH2
UserCalibration
ProbeCalibration
Results
IsReadyExecute

Execute()
Execute2()
WarmUpExecute()
CoolDownExecute()
LoadCalibration()
SaveCalibration()

SweepSettings

Level
MaxFrequency
MeasurementType
MinFrequency
NumberOfPoints
ReferenceResistance
StartFrequency
StopFrequency
SweepMode
UseShapedLevel
UnwrappedPhaseStartFrequency
UnwrappedPhaseStopFrequency
UseUnwrappedPhaseStartFrequency
UseUnwrappedPhaseStopFrequency

AddShapedLevel()
CalcShapedLevel()
ClearShapedLevels()
GetFrequencyRangeValue()
GetFrequencyRangeValues()
GetShapedFrequencyValues()
GetShapedLevelSize()
GetShapedLevelValues()
RemoveFrequencyRangeValues()
SetFrequencyRangeValue()
SetMeasurementTypeAdmittance()
SetMeasurementTypeGain()
SetMeasurementTypeImpedance()
SetMeasurementTypeReflection()

Result

Abs
AbsDB
ArgDeg
ArgDegUnwrapped
ArgRad
ArgRadUnwrapped
Frequency
Imag
Real
Tg
VSWR
Rs
Cs
Ls
Rp
Cp
Lp
Q

ResultCollection

Count
Item

Clear()
Contains()
GetEnumerator()
GetFrequencies()
GetScaledFrequencies()
GetValues()
IndexOf()

ChannelCollection

Count
Item

Contains()
GetEnumerator()
IndexOf()

Channel

Probe
Termination50Ohm
ACDCCoupling

DeviceSettings

Bandwidth
Channels
DUTDelay
Receivers
Sources

ReceiverCollection

Count
Item

Contains()
GetEnumerator()
IndexOf()

Receiver

Attenuator
Input

Legend

Starting Point
Device & Device Settings
Measurement
Measurement Results
Measurement Settings
Calibration